

4. *The apparatus of claim 3, wherein said wedge comprises an angle between approximately 8° and 12°.*

5. *The apparatus of claim 1, wherein said incident light is redirected along a path offset from an axis formed by the center of said optical element.*

6. (Amended) An apparatus for tuning an optical element comprising:

A2
a module having a center of rotation;

an optical element having a center of rotation and being affixed to said module such that said center of rotation of said optical element is offset from said center of rotation of said module; and

a mechanism for redirecting light, said mechanism including a pigtail having a wedge formed in a transmitting end, wherein said redirecting mechanism redirects incident light to a location on said optical element.

8. *The apparatus of claim 6, wherein said wedge comprises an angle between approximately 8° and 12°.*

A3
9. (Amended) The apparatus of claim 6, wherein said location on said optical element is a location other than said center of rotation of said optical element.

10. *The apparatus of claim 6, wherein said location is selectable so as to produce a desired response from said optical element.*

11. *The apparatus of claim 6, wherein said redirecting mechanism is configured to redirect light along a path is substantially parallel to and offset from an axis normal to said center of rotation of said module.*

A4
12. (Amended) A method of tuning an optical element comprising:

providing an optical element, including a filter having a plurality of responses, and having a specified response at a predetermined location; and

providing incident light to a location on said optical element so as to achieve a desired response other than the specified response.

13. *The method of claim 12, wherein said act of providing incident light comprises redirecting light along a path offset from an axis formed by a center of said optical element.*

14. (Amended) A method for tuning an optical element comprising:

95 providing a module having a center of rotation and an optical element including a filter, having a plurality of responses, and having a center;

affixing said optical element to said module such that said center of said optical element is offset from said center of rotation of said module;

applying incident light to said optical element, said incident light traveling along a path offset from said center of rotation; and

rotating said module about said center of rotation until a predetermined response of said optical element is achieved.

15. (Amended) The method of claim 14, wherein said act of rotating including the act of selecting one of said plurality of responses as the predetermined response.

16. (Amended) An apparatus for tuning an optical element comprising:

module means for rotating about a center of rotation;

optical means including a filter, supported by said module means, for responding to an incident light and producing a plurality of responses, said optical means having a predetermined response at a position offset from said center of rotation;

means for applying incident light to said optical means, said incident light traveling along a path offset from said center of rotation; and

means for rotating said module about said center of rotation until a desired response from said optical means to said incident light is achieved.

Please add claims 18-23:

18. (New) An apparatus for tuning an optical element comprising:

96 an optical element having a specified response to a light beam incident at a first location; and

a rotator for rotating the optical element to position the incident light beam at a second location on the optical element having a desired response other than the specified response.

19. (New) The apparatus of claim 18 wherein the optical element comprises a filter.

20. (New) The apparatus of claim 19 wherein the specified response comprises a center wavelength of the filter.

21. (New) A method for tuning an optical element comprising:

applying an incident light beam to a first location on an optical element having a specified response to the light beam at the first location; and

positioning the optical element so that the light beam is incident at a second location on the optical element having a desired response other than the specified response.

22. (New) The method of claim 21, wherein the optical element comprises a filter.

23. (New) The method of claim 22 wherein the specified response comprises a center wavelength of the filter.

In the abstract:

Please replace the abstract with the following version.

-- Methods and apparatus for tuning an optical element include, in one aspect, an optical element having a specified response at a predetermined location and means for redirecting incident light to a location on the optical element other than the predetermined location so as to achieve a desired response. --
